

**Notice of Allowability**

Application No.

10/786,030

Examiner

ANTHONY S. ADDY

Applicant(s)

HASSAN ET AL.

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Remarks/Amendment of 02/06/2008.
2. ☒ The allowed claim(s) is/are 15, 19-24, 26, 30-32 and 34 (renumbered as claims 1-12, respectively).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|  | 9. <input type="checkbox"/> Other _____   |

/A. S. A./

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## DETAILED ACTION

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Stephen Martin (Reg. No. 56,740) on 22 February 2008.
3. The application has been amended as follows:

### IN THE CLAIMS

Claim 15 has been amended as follows:

15. (Currently Amended) A mobile device, comprising:
  - a processor;
  - at least a first input device connected to the processor for providing input signals thereto;
  - at least one user input device connected to the processor and having a physical user interface responsive to user input activity;
  - an output device connected to the processor for providing output to a user of the mobile device;
  - the processor being configured for determining location information for the mobile device based on input signals received from the first input device; and
  - a device lock module associated with the processor for implementing a lock mode which places restrictions on user access to the mobile device when [[if]] user input activity for the mobile device falls below a threshold, the device lock module being configured for determining whether [[if]] the mobile device is in a secure location based on the determined location information, and requiring input of a first

predetermined password by a user to unlock the mobile device when ~~[[if]]~~ it is in a secure location and requiring input of a second predetermined password by a user to unlock the mobile device when ~~[[if]]~~ it is not in a secure location; and

wherein the device lock module is configured to apply, ~~if the mobile device is determined to be in a secure location,~~ a first countdown timer ~~value defining a duration after which the mobile device will be locked if user interaction with the mobile device is not detected~~ when the mobile device is in a secure location, the first countdown timer locking the mobile device when user interaction with the mobile device is not detected within a predetermined duration, and apply, ~~if the mobile device is determined not to be in a secure location,~~ a second, ~~shorter,~~ countdown timer when the mobile device is not in a secure location, the second countdown timer locking value defining the duration after which the mobile device will be locked when ~~[[if]]~~ user interaction with the mobile device is not detected within a predetermined duration, the second countdown timer having a shorter duration than the first countdown timer.

Claim 26 has been amended as follows:

26. (Currently Amended) A method for providing security to a mobile electronic device having a device lock module that restricts use of the mobile electronic device by a user thereof by locking the electronic device when user interaction with the mobile device falls below a threshold, the method comprising:

receiving input signals from an input device of the mobile electronic device;  
determining whether ~~[[if]]~~ the mobile electronic device is in a secure location based on the input signals; and

applying, ~~if the mobile device is determined to be in a secure location,~~ a first countdown timer ~~value defining a duration after which the mobile device will be locked if user interaction with the mobile device is not detected~~ when the mobile device is in a secure location, the first countdown timer locking the mobile device when user interaction with the mobile device is not detected within a predetermined duration, and apply, ~~if the mobile device is determined not to be in a secure location,~~ a second, ~~shorter,~~ countdown timer when the mobile device is not in a secure location, the

~~second countdown timer locking value defining the duration after which the mobile device will be locked when [[if]] user interaction with the mobile device is not detected within a predetermined duration, the second countdown timer having a shorter duration than the first countdown timer.~~

Claim 30 has been amended as follows:

30. (Currently Amended) The mobile device of claim 15, wherein the second predetermined password required to unlock the mobile device when [[if]] it is not in a secure location is more complex than the first predetermined password required to unlock the mobile device when [[if]] it is in a secure location.

Claim 31 has been amended as follows:

31. (Currently Amended) A mobile device, comprising:

- a processor;
- at least a first input device connected to the processor for providing input signals thereto;
- at least one user input device connected to the processor and having a physical user interface responsive to user input activity;
- an output device connected to the processor for providing output to a user of the mobile device;
- the processor being configured for determining location information for the mobile device based on input signals received from the first input device; and
- a device lock module associated with the processor for implementing a lock mode which places restrictions on user access to the mobile device when [[if]] user input activity for the mobile device falls below a threshold, the device lock module being configured for determining whether [[if]] the mobile device is in a secure location based on the determined location information and to apply, ~~if the mobile device is determined to be in a secure location,~~ a first countdown timer ~~value defining a duration after which the mobile device will be locked if user interaction with the~~

~~mobile device is not detected when the mobile device is in a secure location, the first~~  
~~countdown timer locking the mobile device when user interaction with the mobile~~  
~~device is not detected within a predetermined duration, and apply, if the mobile device~~  
~~is determined not to be in a secure location, a second, shorter, countdown timer when~~  
~~the mobile device is not in a secure location, the second countdown timer locking value~~  
~~defining the duration after which the mobile device will be locked when [[if]] user~~  
~~interaction with the mobile device is not detected within a predetermined duration, the~~  
~~second countdown timer having a shorter duration than the first countdown timer.~~

Claim 32 has been amended as follows:

32. (Currently Amended) A method for providing security to a mobile electronic device having a device lock module that restricts use of the mobile electronic device by a user thereof by locking the device under predetermined circumstances, the method comprising:

receiving input signals from an input device of the mobile electronic device;

determining whether [[if]] the mobile electronic device is in a secure location based on the input signals;

requiring input of a first predetermined password by a user to unlock the mobile electronic device when [[if]] it is in a secure location and requiring input of a second predetermined password by a user to unlock the mobile electronic device when [[if]] it is not in a secure location; and

~~applying, if the mobile device is determined to be in a secure location, a first~~  
~~countdown timer value defining a duration after which the mobile device will be locked~~  
~~if user interaction with the mobile device is not detected when the mobile device is in a~~  
~~secure location, the first countdown timer locking the mobile device when user~~  
~~interaction with the mobile device is not detected within a predetermined duration, and~~  
~~apply, if the mobile device is determined not to be in a secure location, a second,~~  
~~shorter, countdown timer when the mobile device is not in a secure location, the~~  
~~second countdown timer locking value defining the duration after which the mobile~~

device ~~will be locked~~ when [[if]] user interaction with the mobile device is not detected within a predetermined duration, the second countdown timer having a shorter duration than the first countdown timer.

Claim 34 has been amended as follows:

34. (Currently Amended) The method of claim 32, wherein the second predetermined password required to unlock the mobile electronic device when [[if]] it is not in a secure location is more complex than the first predetermined password required to unlock the mobile electronic device when [[if]] it is in a secure location.

***Allowable Subject Matter***

4. **Claims 15, 19-24, 26, 30-32 and 34** (renumbered as **claims 1-12**, respectively) are allowed.

5. The following is a statement of reasons for the indication of allowable subject matter:

**Claims 15, 19-24, 26, 30-32 and 34** are allowed in view of Applicant's remarks/amendment filed on February 06, 2008.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to ANTHONY S. ADDY whose telephone number is (571)272-7795. The examiner can normally be reached on Mon-Thur 8:00am-6:30pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duc M. Nguyen can be reached on 571-272-7503. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Anthony S Addy/  
Examiner, Art Unit 2617

  
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